

CLOSED-LOOP DESIGN METHODOLOGY FOR MATCHING CUSTOMER
REQUIREMENTS TO SOFTWARE DESIGN

ABSTRACT

5 A method for matching customer requirements communicated from a customer to
a corresponding software design is disclosed. In an exemplary embodiment of the
invention, the method includes gathering the customer requirements communicated from
the customer and generating a machine-readable transcript of the customer requirements.
A lexical analysis is run of the machine-readable transcript, thereby generating an output
including one or more diagrammed sentences. The output of the lexical analysis is then
10 mapped into object-oriented constructs. A high-level language design from an output of
said mapping is then created.